

**REMARKS**

Claims 1 - 18 are pending in the current application, of which claims 3 - 18 have been withdrawn from consideration. Claim 1 has been amended. No new matter has been added. Applicants respectfully submit that this Amendment is fully responsive to the Office Action dated March 11, 2003.

**35 U.S.C. §112, Second Paragraph, Rejection:**

Claims 1 and 2 stand rejected under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

This rejection is respectfully traversed.

It is respectfully submit that the amendments to claim 1 overcomes the rejection of claims 1 and 2 under 35 U.S.C. §112, second paragraph. Accordingly, withdrawal of the rejection of claims 1 and 2 under 35 U.S.C. §112, second paragraph, is respectfully solicited.

**As To The Merits:**

As to the merits of this case, the Examiner sets forth the following rejection:

claims 1 and 2 stand rejected under 35 U.S.C. § 102(b) as being anticipated by **Kobayashi**.

This rejection is respectfully traversed.

Claim 1, as amended, now calls for a detecting section which is formed on the transducer and detects the amount of characteristic corresponding to a torsion of the transducer caused by an angular moment centered on the supporting position of the weight portion upon application of acceleration in one direction to the transducer and the weight portion; wherein a face of the transducer is made flush with a face of the weight portion, and the base, the transducer and the weight portion are stacked in the height direction.

That is, the structure of the present invention includes a base, a transducer and a weight portion which are stacked in the height direction, respectively, wherein the detection section is formed on the transducer.

For example, a detection section, as illustrated in Fig. 3 of the present application, includes sliding vibrators 11a and 11b which are arranged on the torsion vibrator 11 so that a potential

difference caused by sliding stresses having directions different from each other on the two sliding vibrators 11a and 11b is detected.

It is respectfully submitted that Kobayashi fails to disclose or fairly suggest the newly added features of claim 1. That is, the structure of Kobayashi's apparatus is different from that of claim 1 in that Kobayashi discloses that beam 11 is extended from weight 15 within a same plane.

Thus, for at least these reasons, it is respectfully asserted that the prior art fails to teach or suggest recitations of claims 1 and 2, and request that the Examiner allow these claims, along with the entire application, to issue. Accordingly, withdrawal of the rejection of claims 1 and 2 under 35 U.S.C. §102(b) is respectfully solicited.

If, for any reason, it is felt that this application is not now in condition for allowance, the Examiner is requested to contact Applicant's undersigned attorney at the telephone number indicated below to arrange for an interview to expedite the disposition of this case.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

In the event that this paper is not timely filed, Applicants respectfully petition for an appropriate extension of time. Please charge any fees for such an extension of time and any other fees which may be due with respect to this paper, to Deposit Account No. 01-2340.

Respectfully submitted,

ARMSTRONG, WESTERMAN & HATTORI, LLP



Thomas E. Brown  
Attorney for Applicant  
Reg. No. 44,450

TEB/kal  
Atty. Docket No. **991021**  
Suite 1000, 1725 K Street, N.W.  
Washington, D.C. 20006  
(202) 659-2930



23850

PATENT TRADEMARK OFFICE

Enclosures: Version with markings to show changes made

H:\FLOATERS\TEB\teb\99\991021\Amendment - may03

**VERSION WITH MARKINGS TO SHOW CHANGES MADE 09/397,675**

**IN THE CLAIMS:**

Claim 1 has been AMENDED to read as follows:

1. (Six Times Amended)An acceleration sensor for detecting acceleration, comprising:  
a base;  
a transducer that is not permanently oscillating, is supported at the base and exhibits  
torsion vibration only when acceleration is caused;  
a weight portion that is connected to the not permanently oscillating transducer, and  
supported at a position different from the center of gravity of the transducer and the weight portion  
itself; and  
a detecting section which is [installed] formed on the [base] transducer and detects  
the amount of characteristic corresponding to a torsion of the transducer caused by an angular  
moment centered on the supporting position of the weight portion upon application of acceleration  
in one direction to the transducer and the weight portion;  
wherein a face of the transducer is made flush with a face of the weight portion, and  
the base, the transducer and the weight portion are stacked in the height direction.